

Usman Oftikhar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Ayub Enterprises Builders and Developers.(Factory Ayub Garments)

Client Reference: AEB/222/1

SOM Lab

Ref:

2701 (Page-1/1)

Dated: 16-08-2023

Dated:

17-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.481	6	0.744	0.44	0.435	14.02	19.44	70260	71070	97440	98560	1.50	8.0	18.8	
2	1.475	6	0.743	0.44	0.433	13.88	19.47	69590	70720	97590	99170	1.50	8.0	18.8	
3	0.659	4	0.497	0.20	0.194	5.81	8.07	64080	66060	89030	91780	1.40	8.0	17.5	
4	0.662	4	0.498	0.20	0.195	5.71	8.21	62950	64570	90490	92810	1.40	8.0	17.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Waris Iqbal
General Manager

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: Nil

SOM Lab

Ref: 2702 (Page-1/1)

Dated: 16-08-2023

Dated: 17-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.49 1	6	0.74 7	0.4 4	0.43 8	14.39	19.95	72150	72480	99990	10045 0	1.3 0	8. 0	16. 3	
2	0.66 4	4	0.49 8	0.2 0	0.19 5	5.88	8.23	64860	66530	90720	93040	1.1 0	8. 0	13. 8	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Major Nadeem Ur Rehman ®
RE ACE CSM.Multan.(Secretariat Office Building Multan & Allied Work)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: ACE/RE/CSM/2023/809

SOM Lab

Ref: 2703 (Page-1/1)

Dated: 12-08-2023

Dated: 17-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.716	8	1.008	0.799	0.798	23.98	33.74	66940	66260	94200	93250	1.60	8.00	20.00	
2	2.704	8	1.006	0.799	0.795	23.87	33.59	66650	66230	93770	93180	1.40	8.00	17.50	
3	1.664	6	0.789	0.444	0.489	16.08	21.83	80580	72500	109450	98480	1.20	8.00	15.00	
4	1.667	6	0.790	0.444	0.490	15.87	21.58	79560	71440	108170	97130	1.30	8.00	16.30	
5	0.671	4	0.501	0.200	0.197	5.98	8.46	65990	66990	93300	94720	1.30	8.00	16.30	
6	0.673	4	0.502	0.200	0.198	6.03	8.46	66550	67220	93300	94240	1.20	8.00	15.00	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk